L Number	Hits	Search Text	DB	Time stamp	•
-	1074	(398/20, 32, 33, 23, 24, 195, 154, 155, 158, 162, 19	7U\$9AT206.20	92.00033/0.926725.	
	1071	(330,20,32,33,23,21,133,131,130,130,132,13	US-PGPUB;	13:22	
			EPO; JPO;	13.22	
				·	
			DERWENT;		
			IBM_TDB		
-	35761	(PLL or (phase with lock\$2 with loop))	USPAT;	2003/09/22	
	-	and clock	US-PGPUB;	12:07	
			EPO; JPO;	<u> </u>	
	,		DERWENT;		
		,	IBM TDB	ļ ,	
	172000	noven and aloak	USPAT;	2003/09/22	
-	172088	power and clock		l	
			US-PGPUB;	12:07	
			EPO; JPO;		
			DERWENT;		
		•	IBM TDB		
_	1058333	transmit\$4 and receiv\$3	USPAT;	2003/09/22	
			US-PGPUB;	14:19	
			EPO; JPO;	1	
			DERWENT;	•	
			IBM_TDB	l	
-	72		puspar;206,2		
	1	and ((PLL or (phase with lock\$2 with	US-PGPUB;	12:09	
		loop)) and clock) and (power and clock)	EPO; JPO;	1	
	}	and (transmit\$4 and receiv\$3)	DERWENT;	į l	
			IBM TDB		
	1493101	optical	USPAT;	2003/09/22	
_	1493101	optical		1	
	1		US-PGPUB;	12:09	
			EPO; JPO;		
			DERWENT;		
			IBM_TDB		
-	1098772	fiber\$1 or fibre\$1	USPAT;	2003/09/22	
			US-PGPUB;	12:09	
	}	· ·	EPO; JPO;		
			DERWENT;		
				İ	
			IBM_TDB	20000 20 4000 4200 7 50 3	
-	66	(((398/20,32,33,23,24,195,154,155,158,162,			
		and ((PLL or (phase with lock\$2 with	US-PGPUB;	12:27	
		loop)) and clock) and (power and clock)	EPO; JPO;		
		and (transmit\$4 and receiv\$3)) and	DERWENT;		
		optical and (fiber\$1 or fibre\$1)	IBM TDB		
	461091		USPAT;	2003/09/22	
			US-PGPUB;	12:28	
	ŀ		EPO; JPO;	•	
	ļ	-	DERWENT;		
			I .	1	
		//200/20.20.20.20.04.405.455.455.450.3	IBM_TDB	am an one one	
-	86				
		and ((PLL or (phase with lock\$2 with	US-PGPUB;	12:29	
		loop)) and clock) and (transmit\$4 and	EPO; JPO;		
		receiv\$3) and optical and (fiber\$1 or	DERWENT;		
		fibre\$1)	IBM TDB		
_	20	l		20090.32/1099/2007.T.S)	
		and ((PLL or (phase with lock\$2 with	US-PGPUB;	12:29	
			EPO; JPO;		
		loop)) and clock) and (transmit\$4 and			
		receiv\$3) and optical and (fiber\$1 or	DERWENT;		
		fibre\$1)) not	IBM_TDB		
		((((398/20,32,33,23,24,195,154,155,158,162	, 197, 198, 206	,209,213).CCLS.)	
		and ((PLL or (phase with lock\$2 with		:	
_	1366	· · · · · · · · · · · · · · · · · · ·	9USPAT155,75	,29010,32/70,92/62,234,35).cc	LS.
		and (transmit\$4 and receiv\$3)) and	US-PGPUB;	14:18	
		optical and (fiber\$1 or fibre\$1))	EPO; JPO;		
		obcicar and (tiberat of tibreal)			
	1		DERWENT;	1	
			IBM_TDB	J	
-	1152	((398/20, 32, 33, 23, 24, 195, 154, 155, 158, 162, 2	PB\$PAT+155,7		CLS.
		and (fiber\$1 or fibre\$1)	US-PGPUB;	14:18	
			EPO; JPO;		
			DERWENT;		
1			IBM TDB		
L	<u> </u>	<u> </u>		L	

		_			
_	465		09PAS4-155,		.CCLS.
		and (fiber\$1 or fibre\$1)) and clock	US-PGPUB;	14:19	
	i		EPO; JPO;	*	
			DERWENT; IBM TDB		
	4383915	transmit\$4 or receiv\$3	USPAT;	2003/09/22	
	4303913	Clansmitty Of leceivys	US-PGPUB;	14:19	
		,	EPO; JPO;	1	
			DERWENT;		
			IBM_TDB		
	460		Ø69AT54-155).CCLS
		and (fiber\$1 or fibre\$1)) and clock) and	US-PGPUB;	16:43	
		(transmit\$4 or receiv\$3)	EPO; JPO; DERWENT;		
			IBM TDB		
	456	optical and	USPAT;	2003/09/22	
		(((((398/20,32,33,23,24,195,154,155,158,16	2 9809GPBB +15	51,4752,091,27,26,34,	35).CCI
		and (fiber\$1 or fibre\$1)) and clock) and	EPO; JPO;		
		(transmit\$4 or receiv\$3))	DERWENT;		
			IBM_TDB	2002/00/22	
	373	(optical and (((((398/20,32,33,23,24,195,154,155,158,16	USPAT;	2003/09/22	351 CCT
		(((((398/20,32,33,23,24,195,154,155,158,16)) and (fiber\$1 or fibre\$1)) and clock) and	EPO; JPO;	1,21,20,34,	,CL
		(transmit\$4 or receiv\$3))) not	DERWENT;		
		(((398/20,32,33,23,24,195,154,155,158,162,		209,213).CCLS.)	
		and ((PLL or (phase with lock\$2 with			
	182	Idopticandandock) and (transmit\$4 and	USPAT;	2003/09/22	
	-	tede1998/20nd20pBi2al24nd95f1ber\$550158,16		51,4752,391,27,26,34,	35).CC
		findrefiber\$1 or fibre\$1)) and clock) and	EPO; JPO; DERWENT;		
		(transmit\$4 or receiv\$3))) not (((398/20,32,33,23,24,195,154,155,158,162,		209 213) CCT.S)	
		and ((PLL or (phase with lock\$2 with	1	203,213,.0025.7	
	8	Todophtiand shdck) and (transmit\$4 and	USPAT;	2003/09/22	
		tecei398/28nd2op8i2al24nd95f1ber\$550158,16	2 7809GP8B +15	51,4752,891,27,26,34,	35).CCI
		finbrefibersandr (pabmesel) omndecleck) and	EPO; JPO;		
		(transmit\$4 or receiv\$3))) not	DERWENT;		
•		(((398/20,32,33,23,24,195,154,155,158,162,	<u>1 явит яв</u> в206,	209,213).CCLS.)	
		and ((PLL or (phase with lock\$2 with			
	174	loop)) and clock) and (transmit\$4 and receiv\$8alanddoptical and (fiber\$1 or	USPAT;	2003/09/22	
	1/3	fibre398/20and, 3pa221261105, 35fia55) 1and16	2U209GP8B+15		35).CC
		4 ndLLfober hase wibhe tock \$ 2nd thock pand	EPO; JPO;		
		andansmck\$4 or receiv\$3))) not	DERWENT;		
		(((398/20, 32, 33, 23, 24, 195, 154, 155, 158, 162,	1 9BM<u>1</u>9B B206,	209,213).CCLS.)	
	İ	and ((PLL or (phase with lock\$2 with			
		loop)) and clock) and (transmit\$4 and			
		receiv\$3) and optical and (fiber\$1 or fibre\$1))) and (parallel or serial)) not		'	
	1	((((optical and			
		(((((398/20,32,33,23,24,195,154,155,158,16	2,209,154-1	5,75,91,27,26,34,	35).CC
		and (fiber\$1 or fibre\$1)) and clock) and			
	2	(t6agam7854.BM.receiv\$3))) not	USPAT;	2003/09/22	
		(((398/20,32,33,23,24,195,154,155,158,162,		21079:,22713).CCLS.)	
		and ((PLL or (phase with lock\$2 with	EPO; JPO;		
		loop)) and clock) and (transmit\$4 and	DERWENT; IBM TDB		
		receiv\$3) and optical and (fiber\$1 or ffbBa9994Y) aBN. (parallel or serial)) and	USPAT;	2003/09/22	
	2	((PLL or (phase with lock\$2 with loop))	US-PGPUB;	17:28	
	1	and clock))	EPO; JPO;		
		,	DERWENT;		
			IBM_TDB		
	0	398/33,23,24,195,154,155,158,162,209	USPAT;	2003/09/25	
			US-PGPUB;	16:43	
			EPO; JPO;		
			DERWENT; IBM TDB		
	844	(398/33,23,24,195,154,155,158,162,209).CCL		2003/09/25	
	044	(350) 33,23,24, 133, 134, 135, 130, 102, 203) . CCL	US-PGPUB;	16:45	4
			EPO; JPO;		
				1	1
			DERWENT; IBM TDB		

-	422	((398/33,23,24,195,154,155,158,162,209).CC	LBSPAT;	2003/09/25
		and clock\$1	US-PGPUB;	16:46
			EPO; JPO;	·
			DERWENT;	l l
			IBM TDB	
_	411	(((398/33,23,24,195,154,155,158,162,209).C	CUSPĀT;	2003/09/25
		and clock\$1) and optical	US-PGPUB;	16:46
,			EPO; JPO;	
			DERWENT;	
			IBM TDB	
	1060648	transmit\$4 and réceiv\$3	USPAT;	2003/09/25
	10000010	CLANSMIC PARTICIPATION OF THE PROPERTY OF THE	US-PGPUB;	16:47
			EPO; JPO;	10.17
			DERWENT;	
			IBM TDB	
	411	(((398/33,23,24,195,154,155,158,162,209).c		2003/09/25
_	411		US-PGPUB;	16:47
		and clock\$1) and ((((398/33,23,24,195,154,155,158,162,209).		10.47
		and clock\$1) and optical)	DERWENT;	
			IBM_TDB	2002/00/25
-	367	((((398/33,23,24,195,154,155,158,162,209).		2003/09/25
		and clock\$1) and optical) and (transmit\$4	US-PGPUB;	16:48
		and receiv\$3)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-'	2403818	serial\$4 or parallel	USPAT;	2003/09/25
			US-PGPUB;	18:02
			EPO; JPO;	
·			DERWENT;	
			IBM_TDB	
_	204	(((((398/33,23,24,195,154,155,158,162,209)	.USBAT)	2003/09/25
		and clock\$1) and optical) and (transmit\$4	US-PGPUB;	17:32
		and receiv\$3)) and (serial\$4 or parallel)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	17	4267590.URPN.	USPAT	2003/09/25
				16:52
_	4288	(first adj fiber\$1) and (second adj	USPAT;	2003/09/25
	1200	fiber\$1)	US-PGPUB;	17:32
		11201417	EPO; JPO;	
			DERWENT;	
			IBM TDB	
	3047	((first adj fiber\$1) and (second adj	USPAT;	2003/09/25
-	3047	fiber\$1)) and optical	US-PGPUB;	17:32
		IIDELAI) and obsteat	EPO; JPO;	1
			DERWENT;	
		1/162	IBM_TDB	2002/00/25
-	849	(((first adj fiber\$1) and (second adj	USPAT;	2003/09/25
		fiber\$1)) and optical) and (error or	US-PGPUB;	17:33
•		fault)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	/
-	673	(transmit\$4 and receiv\$3) and (((first	USPAT;	2003/09/25
		adj fiber\$1) and (second adj fiber\$1))	US-PGPUB;	17:33
		and optical) and (error or fault))	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	398/33,23,24,195,154,155,158,162,209 and	USPĀT;	2003/09/26
		(((transmit\$4 and receiv\$3) and (((first	US-PGPUB;	10:26
		adj fiber\$1) and (second adj fiber\$1))	EPO; JPO;	
	i	and optical) and (error or fault))) and	DERWENT;	
		(serial\$4 or parallel))	IBM TDB	
-	450	((transmit\$4 and receiv\$3) and (((first	USPAT;	2003/09/25
		adj fiber\$1) and (second adj fiber\$1))	US-PGPUB;	17:33
		and optical) and (error or fault))) and	EPO; JPO;	
		(serial\$4 or parallel)	DERWENT;	
		/acreati or bararaci	IBM TDB	
	J	<u> </u>		4

- 47	7342	serial\$4 near2 parallel	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/25 18:02
_	569	(serial\$4 near2 parallel) and (optical adj (transmitter\$1 or receiver\$1))	IBM_TDB USPAT; US-PGPUB;	2003/09/25 18:02
	392	((serial\$4 near2 parallel) and (optical	EPO; JPO; DERWENT; IBM_TDB USPAT;	2003/09/25
	332	adj (transmitter\$1 or receiver\$1))) and clock	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	18:02
_	73	<pre>(((serial\$4 near2 parallel) and (optical adj (transmitter\$1 or receiver\$1))) and clock) and ("PLL" or (phase adj lock adj loop\$1) or (phase with lock with loop\$1))</pre>	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2003/09/25 18:03
-	2	((((serial\$4 near2 parallel) and (optical adj (transmitter\$1 or receiver\$1))) and clock) and ("PLL" or (phase adj lock adj loop\$1) or (phase with lock with loop\$1)) and (first adj fiber\$1) and	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 08:15
-	66	(second adj fiber\$1) (("5793510") or ("5710650") or ("5400360") or ("5544319") or ("4715028") or ("5136410") or ("5706112") or ("4979185") or ("4225752") or ("4554673")	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/03 12:04
		or ("5812295") or ("5898512") or ("5999570") or ("6583903") or ("6433904") or ("6166839") or ("4694504") or ("5255111") or ("5299044") or ("5459607") or ("5541759") or ("5561542") or ("5673130") or ("5717510") or ("5999570") or ("4586186") or ("6498670") or ("4631718") or ("5267068") or ("5473636") or ("5187605") or ("5541759") or	IBM_TDB	
-	22	("6411408")).PN. (("5793510") or ("5710650") or ("5136410") or ("4979185") or ("6583903") or ("6433904") or ("5561542") or ("5999570") or ("5706112") or ("4201909")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/09/26
-	15	("4833668" "4856093" "4989200" "5124828" "5191462" "5311346" "5473457" "5793511" "5905585" "5926297" "5930414" "5936753" "6295272" "6339489" "6396606").PN.	USPAT	2003/09/26 08:40
-	2,9	("4694471" "4995101" "5018142" "5311346" "5504609" "5532864" "5557439" "5602669" "5671156" "5680238" "5696615" "5712932"	USPAT	2003/09/26 08:44
		"5715076" "5726784" "5745582" "5784184" "5798855" "5808760" "5808766" "5938309" "5940439" "5969840" "6031644" "6040933" "6115157" "6181450" "6185022" "6226296" "6233077").PN.		
-	11	("4930139" "5355133" "5357284" "5400023" "5432799" "5438590" "5537422" "5546190" "5602669" "5646966" "5745582").PN.	USPAT	2003/09/26 08:49
_	5	5793510.URPN.	USPAT	2003/09/26
-	10	("4064360" "4123624" "4637011" "4908823" "4947406" "4977582" "5612953" "5715274" "5761253"	USPAT	2003/09/26 08:52
<u> </u>		"5793510").PN.	l	L

-	2	("5162937" "5224183").PN.	USPAT	2003/09/26 08:54
	5	5710650.URPN.	USPAT	2003/09/26 08:55
_	3	("5291326" "5500756" "5539557").PN.	USPAT	2003/09/26
-	5	("4957340" "5043981" "5161153"	USPAT	2003/09/26 08:57
- 1	3	"5367396" "5404241").PN. ("4797556" "4899043" "4994675").PN.	USPAT	2003/09/26 08:58
_	12	5136410.URPN.	USPAT	2003/09/26
_	4	(("5898512") or ("5018142")).PN.	USPAT; US-PGPUB;	2003/09/26 09:04
			EPO; JPO; DERWENT;	
_	5	("4957340" "5043981" "5161153"	IBM_TDB USPAT	2003/09/26
_	844	"5367396" "5404241").PN. 398/33,23,24,195,154,155,158,162,209.ccls.	USPAT;	10:24 2003/09/26
	011		US-PGPUB; EPO; JPO;	10:26
*		•	DERWENT; IBM TDB	
	91	398/33,23,24,195,154,155,158,162,209.ccls. and (parallel with serial\$4)		2003/09/26 10:26
			EPO; JPO; DERWENT;	
	73	(398/33,23,24,195,154,155,158,162,209.ccls	IBM_TDB	2003/09/26
_	/3	and (parallel with serial\$4)) and clock	US-PGPUB; EPO; JPO;	10:47
			DERWENT; IBM TDB	
_	44705	transmission with loss	USPAT; US-PGPUB;	2003/09/26
			EPO; JPO; DERWENT;	
	651941	compensat\$3	IBM_TDB USPAT;	2003/09/26
_	651941	Compensacy	US-PGPUB; EPO; JPO;	10:48
			DERWENT; IBM TDB	
_	9737	(transmission with loss) and compensat\$3	USPAT; US-PGPUB;	2003/09/26
1			EPO; JPO; DERWENT;	
		(6) 24 64 20 22 24	IBM_TDB USPAT;	2003/09/26
_	4288	(first adj fiber\$1) and (second adj fiber\$1)	US-PGPUB; EPO; JPO;	10:48
			DERWENT;	
- ,	185	((transmission with loss) and	IBM_TDB USPAT;	2003/09/26
		<pre>compensat\$3) and ((first adj fiber\$1) and (second adj fiber\$1))</pre>	US-PGPUB; EPO; JPO;	10:40
			DERWENT; IBM_TDB	2002/00/26
_	4870	((transmission with loss) and compensat\$3) and optical	USPAT; US-PGPUB;	2003/09/26
			EPO; JPO; DERWENT;	
	174919	serial\$3 and parallel	IBM_TDB USPAT;	2003/09/26
			US-PGPUB; EPO; JPO;	10:49
			DERWENT; IBM_TDB	

		·		
-	1385	((transmission with loss) and	USPAT;	2003/09/26
		compensat\$3) and (serial\$3 and parallel)	US-PGPUB;	10:49
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	461769	clock	USPAT;	2003/09/26
			US-PGPUB;	10:49
			EPO; JPO;	
			DERWENT;	
		*	IBM_TDB	
-	689	(((transmission with loss) and	USPAT;	2003/09/26
		compensat\$3) and (serial\$3 and parallel))	US-PGPUB;	10:50
		and clock	EPO; JPO;	
			DERWENT;	
			IBM_TDB	2222 /22 /26
-	18	(((transmission with loss) and	USPAT;	2003/09/26
		compensat\$3) and ((first adj fiber\$1) and	US-PGPUB;	10:51
		(second adj fiber\$1))) and clock	EPO; JPO;	·
	1		DERWENT;	
			IBM_TDB	2003/00/26
-	4870	((transmission with loss) and	USPAT; US-PGPUB;	2003/09/26 10:53
		compensat\$3) and optical	EPO; JPO;	10.00
1			DERWENT; IBM TDB	
1	001	(((transmission with loss) and	USPAT;	2003/09/26
_	821		US-PGPUB;	10:54
		compensat\$3) and optical) and clock	EPO; JPO;	10.03
			DERWENT;	
			IBM TDB	
,	768	((((transmission with loss) and	USPAT;	2003/09/26
ļ -	/68	compensat\$3) and optical) and clock) and	US-PGPUB;	10:55
		(transmit\$4 and receiv\$3)	EPO; JPO;	10.33
		(transmitty and receives)	DERWENT;	
			IBM TDB	
_	304	(serial\$3 and parallel) and	USPAT;	2003/09/26
_	304	(((((transmission with loss) and	US-PGPUB;	11:15
	9	compensat\$3) and optical) and clock) and	EPO; JPO;	11111
		(transmit\$4 and receiv\$3))	DERWENT;	
		(020110111204)	IBM TDB	
_	228377	(error or fault) with detect\$3	USPAT;	2003/09/26
		(US-PGPUB;	11:16
			EPO; JPO;	
			DERWENT;	÷
			IBM_TDB	
-	3412	(transmission with loss) and ((error or	USPAT;	2003/09/26
1		fault) with detect\$3)	US-PGPUB;	11:16
			EPO; JPO;	
			DERWENT;	
1			IBM_TDB	
-	0		USPAT;	2003/09/26
		fault) with detect\$3)) and (398/\$7.ccls)	US-PGPUB;	11:16
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	2002/00/26
-	2441	((transmission with loss) and ((error or	USPAT;	2003/09/26
		fault) with detect\$3)) and (fiber\$1 or	US-PGPUB;	11:17
		path\$1)	EPO; JPO;	
			DERWENT; IBM TDB	
	1100	///humanianian with lang) and //annon an	USPAT;	2003/09/26
_	1106		USPAT; US-PGPUB;	11:17
		fault) with detect\$3)) and (fiber\$1 or	1	11.1/
		path\$1)) and clock	EPO; JPO; DERWENT;	,
	1		IBM TDB	
	070	((((transmission with loss) and ((error	USPAT;	2003/09/26
-	879	or fault) with detect\$3)) and (fiber\$1 or	US-PGPUB;	11:17
		path\$1)) and clock) and (serial\$3 or	EPO; JPO;	
		parallel)	DERWENT;	
		pararrer;	IBM TDB	
1	1		1211 100	<u> </u>

				
-	451	(((((transmission with loss) and ((error	USPAT;	2003/09/26
		or fault) with detect\$3)) and (fiber\$1 or	US-PGPUB;	11:24
:		path\$1)) and clock) and (serial\$3 or	EPO; JPO;	
		parallel)) and optical	DERWENT;	
		00010001051	IBM_TDB	2003/00/26
-	0	20010021051.URPN.	USPAT	2003/09/26
		/200 /1 CO \	77.C.D.D.M	11:20
-	68	(398/162).CCLS.	USPAT;	2003/09/26
,			US-PGPUB;	11:24
			EPO; JPO;	
l			DERWENT;	
	,	("4358858" "5075792" "5517608"	IBM_TDB USPAT	2003/00/36
_	4		USPAI	2003/09/26 11:32
	100017	"5528409").PN.	IICDAM.	2003/12/03
-	106017	("PLL") or (phase with (lock\$2 or loop))	USPAT; US-PGPUB;	12:05
			EPO; JPO;	12:03
			DERWENT;	
			IBM TDB	, ,
	144686	parallel and serial	USPAT;	2003/12/03
-	144606	pararrer and seriar	US-PGPUB;	12:05
		·,	EPO; JPO;	12.00
			DERWENT;	
			IBM TDB	
_	469955	clock	USPAT;	2003/12/03
	405555	Clock	US-PGPUB;	12:05
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	1756472	error or correct or compensat\$3	USPAT;	2003/12/03
		•	US-PGPUB;	12:06
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	475264	driver\$1	USPAT;	2003/12/03
			US-PGPUB;	14:03
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	/ /
_	3247	(("PLL") or (phase with (lock\$2 or	USPAT;	2003/12/03
		loop))) and (parallel and serial) and	US-PGPUB;	14:04
		clock and (error or correct or	EPO; JPO;	
		compensat\$3) and driver\$1	DERWENT; IBM TDB	
	1273282	(transmit\$4) and (receiv\$3 or diode\$1 or	USPAT;	2003/12/03
	12/3202	photodetector\$1 or detect\$3)	US-PGPUB;	12:07
		busing a defect of the feet of	EPO; JPO;	
			DERWENT;	
	1		IBM TDB	
1_	2776	((("PLL") or (phase with (lock\$2 or	USPAT;	2003/12/03
	[2,75	loop))) and (parallel and serial) and	US-PGPUB;	14:04
		clock and (error or correct or	EPO; JPO;	
		compensat\$3) and driver\$1) and	DERWENT;	
		((transmit\$4) and (receiv\$3 or diode\$1 or	IBM TDB	
		photodetector\$1 or detect\$3))	_	
-	2364	(((("PLL") or (phase with (lock\$2 or	USPAT;	2003/12/03
,		loop))) and (parallel and serial) and	US-PGPUB;	14:03
		clock and (error or correct or	EPO; JPO;	
		compensat\$3) and driver\$1) and	DERWENT;	
		((transmit\$4) and (receiv\$3 or diode\$1 or	IBM_TDB	
		photodetector\$1 or detect\$3))) and		
[synchroniz\$5	TTG D A CT	2002/12/02
-	35	((((("PLL") or (phase with (lock\$2 or	USPAT;	2003/12/03
]	1	loop))) and (parallel and serial) and	US-PGPUB;	14:03
		clock and (error or correct or compensat\$3) and driver\$1) and	EPO; JPO; DERWENT;	
		((transmit\$4) and (receiv\$3 or diode\$1 or	IBM TDB	
		photodetector\$1 or detect\$3))) and	1111-1111	
1	1	synchroniz\$5) and (398/\$7.ccls.)		
L	1		l	<u> </u>

1cop) and (parallel and serial) and clock and (error or correct or compensat\$3) and driver\$1) and ((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3)) and synchroniz\$5) and (359/\$7.ccls.) USPAT; US-PGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; DERWENT					
clock and (error or correct or compensats3) and driver\$1] and ((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3)) and synchroniz\$5) and (359/\$7.ccls.) 14482	_	7	((((("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and	USPAT; US-PGPUB;	2003/12/03 14:03
((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3))) and synchroniz\$5) and (359/\$7.ccls.) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB 14:04 EPO; JPO; DERWENT; IBM TDB 14:05 EPO; JPO; DERWENT; IBM TDB EPO; JPO; DERW			clock and (error or correct or		
photodetector\$1 or detect\$3])) and synchroniz\$5 and (359/\$7.ccls.) driver\$1 with (optical or photonic)			compensat\$3) and driver\$1) and (transmit\$4) and (receiv\$3 or diode\$1 or		
14482 driver\$1 with (optical or photonic)				151155	
178					0000/10/00
178	-	14482	driver\$1 with (optical or photonic)		
178					
178					
loop)) and (parallel and serial) and clock and (error or correct or compensatas) and (driversh with (optical or photonic)) and ((transmits4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3))	_	178	(/("PIT") or (phase with (lock\$2 or		2003/12/03
compensat\$3 and (driver\$1 with (optical or photonic)) and ((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3)) (("PLL") or (phase with (lock\$2 or loop)) and (parallel and serial) and clock and (error or correct or compensat\$3) and (driver\$1 with (optical or photonic)) IBM TDB IB		1,0		•	
or photonic)) and ((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3)) - 212 (("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and clock and (error or correct or compensat\$3) and (driver\$1 with (optical or photonic)) - 32 (("5473636") or ("4727592") or ("5018142") or ("4744082") or ("5506317") or ("6628214") or ("5793510") or ("6433904") or ("5710650") or ("5898512") or ("6433904") or ("5710650") or ("5898512") or ("4225752") or ("4473901")).PN. - 69 398/162.ccls. 4 ("4358858" "5075792" "5517608" USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 4 ("4358858" "5075792" "5517608" USPAT; USP			clock and (error or correct or		
Creceiv\$3 or diode\$1 or photodetector\$1 Or detect\$3]					
Compensation of the serial content of the				10100	
100p)) and (parallel and serial) and clock and (error or correct or compensat\$3) and (driver\$1 with (optical or photonic)) 32				ucpam.	2002/12/02
Clock and (error or correct or compensat\$3) and (driver\$1 with (optical or photonic))	-	212	(("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and		
or photonic)) (("5473636") or ("4727592") or ("5006317") or ("6628214") or ("4744082") or ("5006317") or ("6628214") or ("5793510") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("5561542") or ("4225752") or ("4473901")).PN. 398/162.ccls. ("4358858" "5075792" "5517608" USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB "5528409").PN. (parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) and (compensat\$3 or correct\$1 or error\$1) TBM_TDB_USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB_USPAT; US-PGPUB; IS:56			clock and (error or correct or	EPO; JPO;	
- 32 (("5473636") or ("4727592") or ("5018142") or ("4744082") or ("5018142") or ("4744082") or ("5606317") or ("6628214") or ("5793510") or ("5710650") or ("5898512") or ("6433904") or ("5541759") or ("5561542") or ("4225752") or ("4473901")).PN. - 69 398/162.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 4 ("4358858" "5075792" "5517608" USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT; USPAT					
("5018142") or ("4744082") or ("5606317") or ("6628214") or ("5793510") or ("6628214") or ("5793510") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("4473901")).PN. 69 398/162.ccls. 4 ("4358858" "5075792" "5517608" USPAT; IBM_TDB USPAT 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:20 2003/12/03 15:30 2003/12/03 15:30 2003/12/03 15:30 2003/12/03 15:30 2003/12/03 15:30 2003/12/03 15:56 2003/12/03 2003/1	_	32			2003/12/03
("5710650") or ("5898512") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("5561542") or ("4225752") or ("4473901")).PN. 69 398/162.ccls. 4 ("4358858" "5075792" "5517608" USPAT; IBM_TDB USPAT - 1037 (parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) - 603 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) 603 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) 604 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) 605 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) 606 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) 607 (parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) 608 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) 609 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) 609 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) 600 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1))			("5018142") or ("4744082") or ("5606317")	US-PGPUB;	
or ("6166839") or ("5299044") or ("5541759") or ("5541759") or ("5561542") or ("4225752") or ("4473901")).PN. 69 398/162.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT ("4358858" "5075792" "5517608" USPAT 2003/12/03 15:20 1037 (parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) and (compensat\$3 or correct\$1 or error\$1) [BM_TDB USPAT; 2003/12/03 15:30] [BM_TDB USPAT; USPA					
or ("4473901")).PN. 398/162.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT "5528409").PN. (parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)			or ("6166839") or ("5299044") or		
- 69 398/162.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT 2003/12/03 15:11 - 4 ("4358858" "5075792" "5517608" USPAT 2003/12/03 15:20					
- 4 ("4358858" "5075792" "5517608" USPAT; IBM_TDB USPAT; US	_	69		USPAT;	2003/12/03
- 4 ("4358858" "5075792" "5517608" USPAT 2003/12/03 15:20					15:11
- 4 ("4358858" "5075792" "5517608" USPAT 2003/12/03 15:20					
- 1037 (parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) - 603 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) - 603 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) and (compensat\$3 or correct\$1 or error\$1) 15:20 2003/12/03 15:30 EPO; JPO; 2003/12/03 15:56 15:20 2003/12/03 15:56 15:20 2003/12/03 15:20 2003/12/03 15:56				IBM TDB	
- 1037 (parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1) - 603 ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) and (compensat\$3 or correct\$1 or error\$1) EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT; USPAT; EPO; JPO;	_	4		USPAT	
(transmit\$4 or diode\$1 or photodiode\$1) US-PGPUB; EPO; JPO; DERWENT; IBM_TDB ((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) US-PGPUB; IS-30 EPO; JPO; US-PGPUB; US-PGPUB; IS-56 and (compensat\$3 or correct\$1 or error\$1) EPO; JPO;	_	1037		USPAT;	
- 603 ((parallel with serial) with (clock) with USPAT; (transmit\$4 or diode\$1 or photodiode\$1)) US-PGPUB; and (compensat\$3 or correct\$1 or error\$1) EPO; JPO;				l '	15:30
- 603 ((parallel with serial) with (clock) with USPAT; 2003/12/03 (transmit\$4 or diode\$1 or photodiode\$1)) US-PGPUB; and (compensat\$3 or correct\$1 or error\$1) EPO; JPO;					
(transmit\$4 or diode\$1 or photodiode\$1)) US-PGPUB; 15:56 and (compensat\$3 or correct\$1 or error\$1) EPO; JPO;				IBM_TDB	
and (compensat\$3 or correct\$1 or error\$1) EPO; JPO;	-	603		1	
			and (compensat\$3 or correct\$1 or error\$1)	•	13.30
				DERWENT;	
IBM_TDB		30	(/398/123 137 147 195 206 208) CCLS \ and		2003/12/03
(parallel and serial\$4) US-PGPUB; 16:10				US-PGPUB;	
EPO; JPO;				1	
DERWENT; IBM TDB					
- 13 ("3995120" "4759018" "5018142" USPĀT 2003/12/03	_	13			1
"5420583" "5426527" "5459607" 16:06 "5544161" "5553064" "5563815"					16:06
"5610911" "5631757" "5644622"					
"5694232").PN.			"5694232").PN.	HCDAM-	2002/12/03
- 655 hei .in. USPAT; 2003/12/03 US-PGPUB; 16:13	_	655	nei .in.	i '	
EPO; JPO;				EPO; JPO;	
DERWENT; IBM TDB					
- 655 hei.in. USPAT; 2003/12/03	_	655	hei.in.	_	2003/12/03
US-PGPUB; 16:14			<i>y</i>		16:14
EPO; JPO;	1				
DERWENT;				DUITE /	1

		-		
_	34	("5018142") or ("4744082") or ("5606317") or ("6628214") or ("5793510") or ("5710650") or ("5898512") or ("6433904") or ("6166839") or ("5299044") or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 14:22
_	481	("5541759") or ("5561542") or ("4225752") or ("4473901") or ("4290146")).PN. (398/123,137,147,195,206,208).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/03 16:39
-	346	((398/123,137,147,195,206,208).CCLS.) and @ad<=19991229	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/03 18:14
_	8	(("6292284") or ("5706112") or ("5677779") or ("5506716")).PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/03 18:17
_	12	(("5018142") or ("4744082") or ("5606317") or ("6628214") or ("4290146") or ("6559892")).PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/03 18:15
=	10	(("6292284") or ("5706112") or ("5677779") or ("5506716") or ("6559892")).PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/03 18:18
_	22	(("5793510") or ("5710650") or ("5898512") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("4225752") or ("5561542") or ("4473901")	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/04 10:58
_	0	or ("5473636")).PN. (359/192).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/12/04 10:59
-	0	359/192.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/12/04
_	191	359/208.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/12/04 13:54
_	2	("6628214").PN.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/12/04 13:54
-	5	("4606022" "4694294" "4706245" "5426644" "5818846").PN.	DERWENT; IBM_TDB USPAT	2003/12/04 13:55
_	34	(("5473636") or ("4727592") or ("5018142") or ("4744082") or ("5606317") or ("6628214") or ("5793510") or ("5710650") or ("5898512") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("5561542") or ("4225752")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 14:22
L	l	or ("4473901") or ("4290146")).PN.	1	1

_	6	((("5473636") or ("4727592") or ("5018142") or ("4744082") or ("5606317") or ("6628214") or ("5793510") or ("5710650") or ("5898512") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("5561542") or ("4225752") or ("4473901") or ("4290146")).PN.) and	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 16:35
_	83471	(latch and serial\$4) compensat\$3 and (optical with optical) and (receiv\$3 or photodetect\$3 or (photo\$1 adj detect\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/12/04 16:37
-	10828	(compensat\$3 and (optical with optical) and (receiv\$3 or photodetect\$3 or (photo\$1 adj detect\$3))) and clock and digit\$4 and analog	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/04 16:38
-	221	(((compensat\$3 and (optical with optical) and (receiv\$3 or photodetect\$3 or (photo\$1 adj detect\$3)) and clock and digit\$4 and analog) and ((398/\$7.ccls.) or (359/\$7.ccls.))) and serial\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/04 16:55
	88224	compensat\$3 and analog and (control)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/04 16:56
-	2085	(compensat\$3 and analog and (control)) and ((398/\$7.ccls.) or (359/\$7.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/04 17:35
_	679	372/29\$7.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/04 17:36
-	0	372/29.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/04 17:38
-	1927	(372/25,29.01,29.011,29.014,29.015,29.02,2		.200135/.12/04 17:38
_	204	((372/25,29.01,29.011,29.014,29.015,29.02, and clock)2@@3.\$1.2/05 09:08
	11	("4201907" "4502143" "4856008" "4856011" "4884278" "5060302" "5105077" "5390041" "5418806" "5598290" "6256329").PN.	USPAT	2003/12/04 17:42
-	2	("6292284").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/05 11:05
_	22096	parallel and serial and (invert\$2 or complement\$2) and clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/12/05 11:14

-	3543	(parallel and serial and (invert\$2 or	USPAT;	2003/12/05
		complement\$2) and clock) and ("PLL" or	US-PGPUB;	11:06
		(phase with lock\$2 with loop\$1))	EPO; JPO;	
		(Lancara and a sample of a sam	DERWENT;	
	·		IBM TDB	
_	114	((parallel and serial and (invert\$2 or	USPAT;	2003/12/05
		complement\$2) and clock) and ("PLL" or	US-PGPUB;	11:06
		(phase with lock\$2 with loop\$1))) and	EPO; JPO;	
		latch and serializer\$1	DERWENT;	
			IBM TDB	
_	292	((parallel and serial and (invert\$2 or	USPAT;	2003/12/05
	2,2	complement\$2) and clock) and ("PLL" or	US-PGPUB;	11:07
		(phase with lock\$2 with loop\$1))) and	EPO; JPO;	
		latch and serializ\$3	DERWENT;	
		Taccii and Seriarizys	IBM TDB	
_	5929	parallel and serial and ((invert\$2 or	USPAT;	2003/12/05
_	3323	complement\$2) with clock)	US-PGPUB;	11:14
		Complement(\$2) with Clock)	EPO; JPO;	11.17
			DERWENT;	
			IBM TDB	
	4.00	newellel and cominlines and //inventes or	USPAT;	2003/12/05
-	468	parallel and serializ\$3 and ((invert\$2 or	US-PGPUB;	11:14
		complement\$2) with clock)	EPO; JPO;	11.17
			DERWENT;	
			IBM TDB	
	7000		USPAT;	2003/12/05
-	7080	parallel and (serializ\$3 or serial\$5) and	· ·	11:15
		((invert\$2 or complement\$2) with clock)	US-PGPUB;	11:15
			EPO; JPO;	
			DERWENT;	
		/ 77.7 /	IBM_TDB	2002/12/05
-	4298	(parallel and (serializ\$3 or serial\$5)	USPAT;	2003/12/05
•		and ((invert\$2 or complement\$2) with	US-PGPUB;	11:15
		clock)) and latch	EPO; JPO;	
			DERWENT;	
			IBM_TDB	2002/12/05
-	2984	((parallel and (serializ\$3 or serial\$5)	USPAT;	2003/12/05
		and ((invert\$2 or complement\$2) with	US-PGPUB;	11:16
		clock)) and latch) and transmit\$4	EPO; JPO;	
			DERWENT;	
			IBM_TDB	0000 (00 (05
-	7080	parallel and (serializ\$3 or serial\$5) and	USPAT;	2003/12/05
		((invert\$2 or complement\$2) with clock)	US-PGPUB;	11:15
		and clock\$3	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
	67		USPAT;	2003/12/05
		and ((invert\$2 or complement\$2) with	US-PGPUB;	11:16
		clock)) and latch) and transmit\$4 and	EPO; JPO;	
		serializer\$1	DERWENT;	
			IBM TDB	